SPECIFICATIONS

System	
Processor	Intel® Atom™ Z530, 1.6GHz
Memory (RAM)	2GB DDR2 533MHZ
Storage	2GB to 16GB Flash or 32GB/64GB SSD
Operating Systems	Microsoft® Windows® Embedded Standard 7, Windows® 7 Professional, Windows® XP Embedded, Windows® XP Pro for Embedded Systems, or Linux
Display	8.4" LED-backlight screen with resistive touch; sunlight-readable option
Display Resolution	800 x 600 (SVGA)
Network Interface	Wi-Fi 802.11a/b/g/n, Bluetooth 2.1 with EDR
Control Switch and Buttons	1 power button, 7 front buttons and 1 trigger button
Indicator	1 power/ battery status LED and 1 WLAN active LED
Speaker	Built-in speaker
Input/Output Ports	1 DC-in Jack; 1 USB 2.0 port; 1 Headphone-out Jack; 1 Microphone-in Jack
Security	WPA-Personal, WPA2-Personal, WPA-Enterprise, WPA2-Enterprise, AES-CCMP 128-bit, WEP 128-bit and 64-bit; 802.1X: EAP-SIM, LEAP, PEAP, TKIP, EAP-FAST, EAPTLS, EAP-TTLS
Power	
AC/DC Adapter	**Input:** 100 – 240V AC; **Output:** 12V DC, 3A
Battery Pack	Internal 7.4V, 2200mAh or 7.4V, 3760mAh/ **Optional:** External 7.4V, 3760mAh or 7.2V, 3900mAh
Mechanical	
Enclosure	ABS + PC plastics and magnesium-aluminum alloy
Stylus	Non-electronic tip
Protective Bumpers	Rubber side-grips with handstrap
Dimensions (H x W x D)	7.9 x 9.6 x 0.8 in/ 200 x 240 x 18 mm
Weight	1.9 lbs/ 0.86 kg
Environmental	
Regulatory	FCC Class B, CE, C-Tick, RoHS compliant
Temperature	**Operation:** 0°C - 40°C; **Storage:** -20°C - 60°C
Humidity	0% - 90% non-condensing

* Specifications subject to change without notice.

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BOG030512DT362ENG

DT Research

Mobile POS Tablet

DT362

BASIC OPERATION GUIDE

ENGLISH

INTRODUCTION

Thank you for acquiring the latest addition to DT Research's line of tablet devices— the DT362. Featuring a slim yet robust enclosure, the two-pound DT362 with 8.4" TFT display is powered by the Intel® Atom™ processor, offering optimal combinations of performance and power savings. An external battery expansion option provides approximately 3-4 hours of additional battery operation for up to six hours of mobile usage.

The DT362 is available in Microsoft® Windows® Embedded Standard 7, Windows® 7 Professional, Windows® XP Embedded, Windows® XP Pro for Embedded Systems or Linux operating systems. Each software operating system features web browser, client/server computing software, media player, accessories, and applications support.

PACKAGE CONTENTS

- One DT362 with Internal Battery Pack (2200mAh), Stylus, Grips and Screen Cover
- AC-DC Power Adapter with Power Cord
- Basic Operation Guide

Major options, depending on configuration:

• Desktop Charging Cradle with DC-in Power Jack and Ethernet, USB and optional VGA Ports	• External Battery Pack
• Internal High Capacity Battery (3760mAh)	• External Battery Charger Kit

* If your DT362 contains MSR, camera or scanner module, please refer to the POS module operation guide for detailed operation.

The DT362

Input/ Output Ports

A	USB Ports
B	Headphone Jack
C	Microphone Jack
D	DC Power Input

Button Functions

BUTTON	ACTION
1 2 3	Programmable
4	Programmable, launch soft (on-screen) keyboard (default)
5	Launch SAS (Secure Attention Sequence) Generate Ctrl+Alt+Del keys to invoke the security windows defined under Windows XP
6	Programmable, Change display orientation (portrait/ landscape) (default)
7	Programmable, system utility menu (default)
8	Programmable, As scanner trigger when equipped with the scanner module
9	Push/release typically enters Standby mode, or Push/release exits Standby mode or restarts device (software dependent) Push and hold (over 4 seconds) invokes hardware shutdown

Power/Battery LED Status:

- Blue indicates the battery is 25% to 100% charged
- Blinking blue indicates the battery is charging
- Orange indicates that the battery is between 11% to 25%
- Blinking Orange indicates that the battery is below 10%

Precautions

- Always exercise care when operating and handling the DT362.
- Do NOT apply excessive pressure to the display screen.
- We recommend using the Stylus provided to keep the screen clean.
- Avoid prolonged exposure of the display panel to any strong heat source. Wherever possible, the DT362 should face away from direct light to reduce glare.
- If the AC-DC power adapter is used to recharge or power the device, do NOT use any AC-DC adapter other than the one provided with the device or acquired from the manufacturer or its partners.
- In the unlikely event that smoke, abnormal noise, or strange odor is present, immediately power off the DT362 and disconnect all power sources. Report the problem to your device provider immediately.
- Never attempt to disassemble the DT362, as this will void the warranty.

THE DT362

Basic Features

The DT362 wireless tablet integrates a bright and responsive touch display, a USB port, and embedded networking elements such as wireless LAN or optional 3G. The primary device is complemented by a suite of accessories, including battery expansion, docking cradles, and carrying cases, for a comprehensive user experience.

A DT362 typically integrates an 802.11a/b/g/n wireless LAN (WLAN) adapter that may connect to other wireless devices or access points. If your DT362 does not come with such a network adapter, please consult your device provider to establish the desired network connectivity.

OPERATION

Internal Battery Switch

To prevent battery drain during shipping and extended storage, the internal battery may be disconnected. To connect the internal battery, push the battery button switch (on the back panel) to the “up” position (see page 2 for photo). The internal battery pack has to be connected for it to operate, be charged, and for the optional external battery pack to function.

Powering ON and OFF

To activate the DT362, push and quickly release the Power Button. The display will come on in a few seconds. To put the DT362 in Standby mode, push and quickly release the Power Button. To turn the DT362 off for extended storage, power off the device safely using any software function that “shuts down computer” provided in the software operating system.

NOTE: The battery packs shipped with your device may be low in power—please use the AC-DC adapter with the DT362 when setting up the device for the first time to fully charge the internal battery pack. You may charge the external battery pack with it attached to the DT362, or with the optional external battery charger kit.

NOTE: When the battery pack(s) is (are) charging, the blue-colored Battery LED should blink slowly. If plugging in the AC-DC adapter does not trigger this blinking activity and the LED stays dark, the battery pack(s) may have been drained substantially. Try unplugging/ replugging the AC-DC adapter to the DT362 a few times to activate the charging process.

NOTE: To conserve power, use (push and quick release) the Power Button to put the device in “Standby” mode while not in use. Pushing briefly on the same button will wake up the system within seconds.

NOTE: Avoid using the Power Button (“hold 4+ seconds” feature) to turn off the device—this form of hardware shutdown is intended to be a means of recovery from device lockups, and not as normal operation.

Start Up

If the power up (from Standby or otherwise) is successful, the appropriate interface will be displayed after a launch sequence of several seconds. The wireless LAN connection may take 10-15 seconds to be established.

Configuring the DT362

The device may be configured using the utilities and methods dictated by the software operating system. The DT362 should be configurable for various properties such as user profiles, network features, and several system elements.

Calibration

The touch display for the DT362 is calibrated before shipping. In the event that the calibration has been modified or is unsatisfactory, the respective calibration routines (e.g., PenMount (PM) for Windows XP) to calibrate the touch interface may be used. Such applications are typically executed through touch input via Stylus or through mouse click via a USB mouse.

Wireless Networking

Wireless LAN

The DT362 is often delivered with an embedded (user-inaccessible) 802.11a/b/g/n WLAN adapter equipped with a hidden custom antenna.

- Through the support of typical WLAN adapters, the DT362 should be able to detect all 802.11 access points in the vicinity for you to select the access point of your choice for connection.
- The SSID and WEP/WPA/WPA2 (if enabled) parameters on the DT362 and the access points have to match. The SSID is case-sensitive and it is recommended that you enable WEP/WPA/WPA2 encryption (or advanced alternatives) for secure access.
- When WEP/WPA/WPA2 is enabled, you may need to consult your network administrator or your networking equipment literature to properly configure associated settings such as Authentication mode, etc.
- Refer to the access point operating manuals for setting up the 802.11 access points.

Button Management

Where supported by software, many of the hard buttons on the DT362 are programmable to perform a function of the user's choice. The exception is the Power Button and the SAS Button. To activate the button re-assignment application, invoke the Button Manager application, e.g., in Windows XP Embedded .

Brightness Control

Where supported by device firmware and software, a hard button may be engaged to manipulate the display brightness. Press the System Menu button (Button 7) on the front of the DT362. The System screen will display a Brightness control section with up and down arrows that can be activated with the stylus.

Battery and Power Management

The DT362 is equipped with an internal 2200mAh Li-Ion battery pack that is capable of supporting approximately 1.5–2 hours of continuous operation. With the optional internal 3760mAh battery and an external battery pack that clips (hot-pluggable) onto the back of the device, the maximum period of continuous operation will be approximately 3–4 hours. The period between battery recharges can be significantly lengthened by putting the device into Standby mode through the Power Button (see Buttons Function Table) whenever the device is not in use. Depending on the operating software, the DT362 may also be configured to enter various power-saving modes via the Power Button or through timed entry.

Desktop Cradle

The DT362 is complemented by an optional Desktop Cradle for support, pass-through charging, and connection to a range of USB peripherals, including keyboard and mouse. The Cradle offers the following interfaces: a DC-in port for the AC-DC adapter, an Ethernet port, a VGA port (optional), and USB ports. Always seat the DT362 securely onto the cradle. The cradle must be powered by the AC-DC adapter for the Ethernet and USB ports to function. The battery packs on the DT362 may be recharged by connecting the AC-DC adapter directly to the DC-in port on the DT362 or through the DC-in port on the Desktop Cradle while the DT362 is docked to the Cradle.

USING THE DT362

Memory configuration

The DT362 is available with 2GB memory configuration. Storage options currently range from: 2GB to 16GB flash memory or 32GB to 64GB SSD.

Peripherals Support

Through its USB ports, the DT362 supports a wide range of USB-based peripherals. These peripherals are applicable for software installation, applications storage, data storage, and system software recovery and updates. The DT362 is also compatible with custom mountable cradle options. These securable and mountable cradles provide an interface to VESA mounts and arms, and to ports that may include USB, Ethernet and pass-through power.

Remote Management

Depending on software configuration, the DT362 can be centrally managed for asset monitoring and for software control. Please consult your device provider.